

Academic Program Description Form

University Name: Middle Technical University.

Faculty / Institute: Institute of Medical Technology – Al-Mansour.

Scientific Department: pharmacy techniques.

Academic or Professional Program Name: physiology

Final Certificate Name: Technical diploma in pharmacy

Academic System: semester system

Description Preparation Date: 4/3/2024

File Completion Date:

Signature:	Signature:
Head of Department Name: Hayder Miri redha	Scientific Associate Name: Teacher; Hayder Miri redha
Date:	Date:

The file is checked by:

Department of Quality Assurance and University Performance:

Director of the Quality Assurance and University Performance Department:

Date:

Signature:

Approval of the dean

1. Program Vision

Leadership and excellence in the field of technical education and scientific research. and concern to its quality to build a knowledge society.

2. Program Mission

To provide an educational and research environment conducive to education and creativity that will contribute to the preparation of highly qualified graduates, to achieve effective national and international scientific twinning, and to strengthen partnership with the sectors of society and international institutions in the relevant fields.

3. Program Objectives

Preparing qualified technical staff working in the field of pharmacy and pharmaceutical industries under the supervision of the pharmacist and working in the fields of reading
Medical prescriptions, preparation and dispensing of medicine -1
He works in the field of medicine under the supervision of a pharmacist or -2
chemist in the preparation of medicines
He works in drug stores and dispensaries in laboratories and drug stores, -3
where he is able to carry out all stages of storage, classification and arrangement

4. Program Accreditation

Medical

5. Program external influences

The graduate should be able to gain experience after graduation to work in his field of specialization and to have high confidence and knowledge in his

specialty to evaluate the performance personality by teamwork in his field of specialization

6. Program Structure				
Program Structure	Number of Courses	Credit hours	percentage	Reviews*
Institution Requirements				
College Requirements		4	100%	
Department Requirements				
Summer Training				
Other				

* This can include notes whether the course is basic or optional.

7. Program Description				
Year /Level	Course Code	Course Name	Credit Hours	
			Theoretical	Practical
1		physiology	2	2

8. Expected Learning Outcomes of the Program	
Knowledge	
A1- Understand the basic principles of general pharmacy specialization in general A2- Understand the scientific principles and basics of pharmacy A3- Learn the basics of drug dispensing, classification and education in the pharmacy A4- Identify the principles and basics of quality control methods during and production of medicines	A1- Understand the principles and basics of general physiology in general A2- Understand the scientific principles and basics of general physiology A3- Understand the basic principles of functions of the systems of the body A4- Identify the principles and basics of relationship between structure and function
Skills	

<p>B1 - The student learns the basics of preparing medicines B2 - The student learns the laboratory tools and equipment that he deals with B3 - Evaluating the graduate's personality by performing laboratory work B4 - Preparing and dispensing medicines</p>	<p>B1-The student learns the basics of physiology B2-The student learns the laboratory tools and equipment that he deals with B3-Evaluating the graduate's personality by performing laboratory work B4-Preparing and dispensing medicines</p>
Ethics	
<p>C1- The student should be able to deal with the equipment in the laboratory C2- That the student is qualified to complete his studies in his field of specialization</p>	<p>C1-The graduate should be able to gain experience after graduation C2-The graduate should be able to work in his field of specialization C3-The graduate should be able to have high confidence and knowledge in his specialty C4-The graduate should be able to evaluate the performance personality by teamwork in his field of specialization</p>
	<p>C 1- The graduate should be able to learn the basics of general physiology C2- The graduate should be able to learn the basics of physiology.</p>

9. Teaching and Learning Strategies
<ul style="list-style-type: none"> - Theoretical and electronic lectures - Labs - Systematic training - Summer training

10. Evaluation Methods

Daily assessment - theoretical electronic written tests - practical tests in the laboratory - final exams - discussion of graduation research

11.Faculty						
Faculty Members						
Academic Rank	Specialization		Special Requirements / Skills (if applicable)		Number of the teaching staff	
	General	Special			Staff	Lecturer
Lecturer		√			1	1

Professional Development
Mentoring new faculty members
Reduces the chances of them becoming unhappy, and develops quality contributors within the organization
Professional Development of faculty members
Scientific and recreational trips- -Participation in scientific debates between students in the specialty - Attending seminars - Participation in the calligraphy and drawing exhibition

12.Acceptance Criterion
Assessment of admission criteria through the central admission through the ministry's plan, according to the average and the type of branch in middle school, and this will be after an interview with the student at the institute

13.The most important sources of information about the program

- Vocabulary approved by the Deans Committee in the scientific specialization
- method book
- Teaching lectures from scientific sources and the Internet

14.Program Development plan

- Adding new topics to keep pace with the science development by reviewing the latest research published within the specialty
- Developing scientific capacity through publishing scientific research within the specialty.

Program Skills Outline															
				Required Program Learning outcomes											
Year / Level	Course Code	Course Name	Basic or Optional	Knowledge				Skills				Ethics			
				A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
1		physiology	basic	√	√	√	√	√	√	√	√	√	√	√	√

- Please tick the boxes corresponding to the individual program learning outcomes under evaluation.

Course Description Form

1. Course Name:	
physiology	
2. Course Code:	
3. Semester / Year:	
Semester	
4. Description Preparation Date:	
10-3-2024	
5. Available Attendance Forms:	
6. Number of Credit Hours (Total) / Number of Units (Total)	
4 hours (2 theoretical + 2 practical) / 4 units	
7. Course administrators name (mention all, if more than one name)	
Name: Hayder Miri Redha Email: hayder_miri@mtu.edu.iq	
Name: Email:	
8. Course Objectives:	
Course Objectives	-Enabling students to understand the principle and basic of physiology science. Mode of actions for human body systems. Relation between these systems. Hormones that regulate these systems .Roles of nervous system in regulating the other systems
9. Teaching and Learning Strategies	

Strategy	<ul style="list-style-type: none"> - Theoretical and electronic lectures - Labs - Systematic training - Summer training
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10.Course Structure					
W ee k	Hou rs	Required Learning Outcomes	Unit or Subject name	Learning method	Evaluation method
1			Cells and tissues		<ul style="list-style-type: none"> - Online theoretical written exams power point - Practical tests in the lab
2-6			Blood		<ul style="list-style-type: none"> - Online theoretical written exams power point - Practical tests in the lab
7-11			heart and blood vessels		<ul style="list-style-type: none"> - Online theoretical

					written exams power point - Practical tests in the lab
12-15			respiratory system		- Online theoretical written exams power point - Practical tests in the lab 2 nd Term
1-3			digestive system		- Online theoretical written exams power point - Practical tests in the lab
4-5			digestive tract		- Online theoretical written exams power point - Practical tests in the lab
6-8			urinary system		- Online theoretical

					written exams power point - Practical tests in the lab
9-11			endocrine glands		- Online theoretical written exams power point - Practical tests in the lab
12-15			nervous system		- Online theoretical written exams power point - Practical tests in the lab

11.Course Evaluation
12.Learning and Teaching Resources

Required textbooks (curricular books, if any)	-
Main references (sources)	Google scholar – Google search - Wikipedia
Recommended books and references (scientific journals, reports....)	Lieutenant and lectures prepared by the professor after the approval of the sectorial advisory
Electronic References, Websites	